SBRACE

RA-1140

Optimum Digital Receiver

Sherwood

Specifications

	Market 1
AUDIO SECTION	100
MIN Continuous: Average Power, Output/Cl-	
from 40Hz to 20KHz with no more than 0.	5% THD 4
	25W
at 8 ohm, IKHz	27W
IMD 60Hz;7KHz=4;1	
	0.50
at 8 ohms/25W	.0.5%
Damping factor	
at 8 ohm, 1KHz	.40
Input Sensitivity for rated. Output at IKH	
Phono	. 2:5mV
CD/AUX	3 150mV
Signal to Noise Ratio (Network A wtd/Unw	reighted) 💸 - 🛶
Phono	.90/65dB
Aux	.95/85dB
Frequency Response	
Phono PIA & 30— 20 000Hz	土1dB
Aux —3dB	.5Hz 40KHz
Tone Control	1040-4
Rack at 100H7	. + 10dB 💨
Treble at 10KHz	10dB
Loudness Control	
at 100Hz	-' ∔ 7dR
ar 10KH7	1-24B
at 10KHz Crosstalk	
at 100Hz	ANAR .
di 100112	604B
at 1KHz at 10KHz	FORD THE STATE OF THE
at IOND2	, 300B
TUNER SECTION	$A_{ij}(x)$
FM SECTION	07 F _ 100MU~
	.87.5~108MHz
Channel Space	#OOK!
UL/CSA Europe, Korea Usable Sensitivity, IHF 50dB Quieting Sensitivity IHF	HUUKHZ
Europe, Korea	DUKITZ
Usable Sensitivity, IHF	33μV(14./αΒ1)
50dB Quieting Sensitivity IHF	
Mono	./μV(22.1dBi)
Stereo	.70μV (42.1dBf)
THD at 1KHz/100% Modulation, IHF	
Mono	.0.5%
Stereo	.0.8%
Signal to Nose Ratio, IHF	3000 × 3
Mono	. 68dB
	:62dB
Stereo Separation	
at 1KHz(IHF)	,38dB
	: 20Hz — 13KHz
Capture Ratio	.3dB
Alternate Channel Selectivity(±400Hz)	,55dB
Image Rejection	_30dB 👫 😘 🚚 👵
IF Rejection	.60dB 🗼 📑
	45dB
AM Rejection Audio Output Level 400Hz 100% Mod	14-150mV
Muting Level.	:5—15μV
AM SECTION	
Tuning Range	
UL/CSA	520 - 1610KHz
Europe Kore	531 1602KHz
Channel Space	
UI /CSA	10KHz
UL/CSA Europe: Korea	9KHZ
Usable Sensitivity 20dB S/N	100077/7m
Signal to Noise Rand 100% Modulation	6.00
Selectivity #100 H2)	of calls

Note Designation differentials প্ৰায় excellence with out চাৰ্যাৰে কোনা হত জনামান

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Electrical Mesurements & Adjustment

*Before making adjustment, operate the appliance for more than 2 minutes.

1. TUNER SECTION

% Note: 1. 0 dB = 1 μ V

2 FM 100% Mod. = 75KHz Dev.

3. DVM=Digital Volt Meter

4. SG = Signal Generator

5. SSG=Stereo Signal Generator

1. AM Adjustment

Selector TUNER, MW(AM)

 In case of 2band appliance(AM/FM), MW is converted into AM.

	Na Cubiant	Feed Signa	al	Setting	Measure	Adjust	Adjust	Dameste
No.	Subject	From	То	Appliance	Output	Point	For	Remark
1	TUNING VOLTAGE			*1)520KHz	TPI Connect DVM	T105	DC1.45± V	
				*2)1610KHz	Same as above	TC105	DC8.5± V	
			step is 9K		reads the tuning vol of Am SG and appliar	_)531KHz
2	IF	AM IF Genescope	ANT	1000	Connect IF Genescope	T106	Symmetrical curve on AM IF Genescope	1
3	RF TUNING	* 1) AM SG 600KHz, 78dB 400Hz(30% Mod.)	ANT.	600 KHz	Output Connect AC Voltmeter & Oscilloscope	T104	Maximize audio output	AM SG TESTLOCP
		* 2) AM SG 1400KHz, 78dB 400Hz(30% Mod.)	ANT.	1400KHz	Same as above	TC104	Same as above	CM ANT
		 FEED SIGNAL should be fed to Loop ant, through the Test Loop ant., 60cm distant from the appliance. Repeat the step *1) and *2) until no further improvement occurs. In case the freq. step is 9KHz, the freq. of AM SG and appliance should be changed to *1)603KHz and *2)1404KHz 						
4	SIGNAL METER	AM SG 1000KHz 400Hz(30% Mod.)	ANT.	1000KHz		VR102	TUNE LED lights slightly	
		• In case the freq.\ to 999KHz.	step is 9K	Hz, the freq.	of AM SG and applia	nce should	be changed	

2. FM adjustment

Selector······TUNER, FM(MONO/STEREO)
 Deviation·······UL/CSA(75KHz Dev.)
 EUROPE(40KHz Dev.)

No	No. Subject	Feed Signal		Setting	Measure	Adjust	Adjust	Remark
140.	Subject	From	То	Appliance	Output	Point	For	Nemark
1	TUNING VOLTAGE		108MHz	108MHz	TPI connect DVM	L105	DC8.8±0.2V	
2	IF	FM IF GENESCOPE	ANT	98MHz	connect IF Genescope	T103	Symmetrical S curve on FM IF Genescope	,_1
					TP2 & TP3 connect DVM		DC 0±50mV	
				Detune	connect Osilloscope	T103	Maximize nosie output	In case IF Genescope
					TP2 & TP3 connect DVM		DC 0±50mV	is not available
3	RF TUNING	*1) FM SG 90MHz, 1.58µV 1KHz(75KHz Dev.)	ANT	90MHz MONO	Output connect AC Volt meter & Distortion Analyzer and Oscilloscope	L101, L102, L103, L104	Maximize audio output	
		* 2) FM SG 106MHz, 1.58µV 1KHz(75KHz Dev.)	ANT	106MHz MONO	Same as above	TC101, TC102	Same as above	
		• Repeat the step	*1) and *	2) until no fu	urther improvement of	occurs.		
4	THD	FM SG 98MHz, 60dB 1KHz(75KHz Dev.)	ANT	98MHz MONO	*1) Output connect DVM *2) Output connect AC Voltmeter & Distortion Analyzer	T102	DC 0± 0.V Minimize distortion	
		Adjust the step *1) first, and the step *2) next, and repeat until no further improvement occurs.					ccurs.	
5	MPX (VCO)	FMSSG 98MHz, 60dB 1KHz(75KHz Dev.) pilot 19KHz (9% Mod.)	ANT	98MHz STEREO	TP4 connect Freq. Counter	VR104	Read 76KHz	
		Before adjustment	t, set the	FM SSG to "	Mod. OFF."			

6	THD (STEREO)	FM SSG 98MHz, 60dB 1KHz(75KHz Dev.) pilot 19KHz (9% Mod.)	ANT	98MHz STEREO	Output connect AC Volt meter & Distortion	T101	Minimize distortion
2	MUTE LEVEL	FM SG 98MHz, 10μV 1KHz(75KHz Dev.)	ANT	98MHz STEREO	Output connect Osilloscope	VR101	Muting occurs marginally
8	SEPARATION	*1) FM SSG 98MHz, 60dB 1KHz(75KHz Dev.) pilot 19KHz(9% Mod)L CH Output	ANT	98MHz STEREO	R Ch Output connect AC Volt meter & Distortion Analyzer and Oscilloscope	VR103	Minimize Output .
		* 2) Same as above (R ch Output)			L ch Output connect same as above	VR103	Minimize Output
L		• Repeat the step >	*1) and *	2) until no fu	rther improvement or	ccurs.	

Electrical Parts List

MAIN BOARD 4002214900

MAIN	BOARD 4	1002214900	<i>)</i>	
Ref No.	Parts No.	Description	Position	Remark
• TRANS	ISTORS			
Q201L/R	2008610120	2SD 1302S	4D	
Q202L/R Q203L/R	2008015700 2008609102	2SA 798G MPS A06	3D 3D	
Q205L/R	2008609101	MPS A05	2D	
Q206L/R	2008609102	MPS A06	2D/1D	
Q207L/R Q208L/R	2008209102 2028406123	MPS A56 2SD 2059Y	2D/1D 3D/2D	
Q209L/R	2028106109	2SB 1367Y	2D/1D	
Q211	2028406113	KTD 1406	2B	
Q212 Q213	2028106111 2208206105	KTB 834Y KTA 1015Y	2C 3C	
Q214	2008609101	MPS A05	2D	
• DIODE:	S			
D201	2058100105	IN 5402	2C	
D202 D203	2058100105 2058100105	IN 5402 IN 5402	3C 2C	
D204	2058100105	IN 5402	3C	
D205	2058599120	Zener DZ 16BM	3C	
D206 D207	2058599120 2058106100	Zener DZ 16BM IN 4002	3C 3C	
D208	2058599109	Zener DZ 15BM	3C	
D209	2058306101	IN 4148	3C	
D210 D211	2058106124 2058599109	IN 4002 Zener DZ 15BM	3C 2D	
D211L/R	2058106100	IN 4002	3D/1D	
D213L/R	2058106100	IN 4002	1D	
D216	2058306101	IN 4148	4D	
• RESIST		M O 2 2M 1/W	3B	
R200 R201L/R	3009335373 3069102270	M.O 3.3M ½W C.F 1K ¼W	4D	
R202L/R	3069102270	C.F 1K 14W	4D	
R204L/R	3069104270	C.F 100K ¼W C.F 220K ¼W	4D 4D	
R205L/R R206L/R	3069224270 3069103270	C.F 10K 1/4W	3D	
R207	3039152372	M.O 1.5K 1/2 W	2D	
R208L/R	3069151270 3069102270	C.F 150 ¼ W C.F 1K ¼ W	3D 3D	
R209L/R R210L/R	3069473270	C.F 47K 14W	3D	
R211L/R	3069152270	C.F 1.5K 1/4W	2D/3D	
R212L/R R213L/R	3069392270 3069473270	C.F 3.9K ¼W C.F 47K ¼W	2D/3D 3D	
R214L/R	3069272270	C.F 2.7K 1/4W	3D	
R216L/R	3069154270	C.F 150K 1/4 W	3D	
R218L/R R220L/R	3069152270 3069561270	C.F 1.5K ¼W C.F 560 ¼W	2D/1D 2D/1D	
R222L/R	3039271372	M.O 270 ½W	2D/1D	
R223L/R	3059278582	WW C.E 0.27 2W	3D/2D	
R224L/R	3069278582 3069153270	WW C.E 0.27 2W C.F 15K ¼W	2D/1D 4C	
R229L/R R230L/R		C.F 3.3K 1/4W	4C	
R231L/R	3069184270	C.F 180K 1/4 W	4C	
R232L/R R233L/R		C.F 1.5K ¼W C.F 820 ¼W	4D 4D/4C	
R234L/R		C.F 22 1/4W	1D/2D	
R235L/R		C.F 221/4W	1D/2D	
R236 /R R237	3039220472 3069102270	M.O 22ohm 1W C.F 1K ¼W	3C 3C	
R238	3069561270	C.F 560 1/4W	3C	
R239	3039270472	M.O 271W	3C	
R240	3069102270	C.F 1K 1/4W	3C 2C	
R241 R242	3069561270 3039330472	C.F 560 ¼W M.O 33 1W	2C 2C	
R243	3069152270	C.F 1.5K 1/4 W	3C	
R244	3069823270	C.F 82K 1/4W	3C 3C	
R245 R246	3069103270 3069101270	C.F 10K ¼W C.F 100 ¼W	3C 4C	
R247	3069562270	C.F 5.6K 1/4 W	4C	
R248	3069103270		3D	
R249L/R	3039221472 3009335373	M.O 220 1W M.O 3.3 ½W	4C 1D	
RF6L/R	3069220270		1C/1D	
RF7L/R	3069220270		1C/1D	
• CAPAC		FI 00 /F /050	40	
C201L/R		Elect 22µ/F/350 Ceramic 330P/50V	4D 3D	

Ref No.	Parts No.	Description	Position	Remark
205L/R	3579222530	Ceramic 0.0022µ/50V	3D	
206L/R	3479210061	Elect 10µ/35V	4D	
207L	3409247041	Elect 47µ/35V	2D	
209L/R	3479210061	Elect 10µ/35V	3D	
210L/R	3579470130	Ceramic 47P/50V	3D	
211L/R	3579809030	Ceramic 8P/50V	3D	
212L/R	3409247041	Elect 22µ/16V	3D	
213	3479210971	Elect 1µ/50V	2D	
214	3479233061	33µ/35V	2D	
225L/R	3679153120	Mylar $0.015\mu/100V$	4C	
226L/R	3679683120	0.068µ/100V	4C	
227L/R	3679472120	Mylar $0.0047 \mu / 100 V$	4C	
228L/R	3679223120	Mylar 0.022 µ/100V	4D/4C	
229	3509103450	Ceramic $0.01\mu/500V$	2C	
230	3509103450	Ceramic 0.01 µ/500V	3C	
231	3419533294	Elect 3300µF/40V	3C	
232	3419533294	Elect 3300 ₁ F/40V	2C	
233	3409222141	Elect 220µ/250	3C	
234	3409222141	Elect 220µ/250	3C	
235	3409210131	Elect 100µ/25V	3C	
236	3409210131	Elect 100µ/25V	2C	
237	3479247031	Elect 47µ/16V	3C	
238	3479210071	Elect 10µ/50V	3C	
239	3479210061	Elect 10µ/35V	3C	
240	3549472407	Elect 0.0047/400VAC	3B	
241L/R	3679473120	Mylar 0.047/100V	1D/2C	
CF10L/R	3579561130	Ceramic 560P/50V	4C	
CF11L/R	3679473120	Mylar 0.047/100V	1C/1D	
CF12L/R	3579222530	Ceramic 2200P/50V	1D	
CF13L/R	3579222530	Ceramic 2200P/50V	1D	

LCD BOARD 4002214910

Ref No.	Parts No.	Description	Position	Remark
IC				
C301	2138010101	MN1527KMA	1C	
TDANC	STORE			
TRANSI:	2208606108	KTC2240BL	1B	
1301	2018211100	FTT, 2SK168D	2B	
1303	2208606104	KTC 1815Y	1B	
2304	2208606104		1C	
1305	2208606105	KTA 1015Y	1C	
DIODES				
0301	2058599104	Zener DZJ.6BM	1B	
0302	2058306101	IN 4148	1B	
0303	2058306101	IN 4148	1B	
RESIST	ODE			
RESIST		C.F 100 ¼W	1B	Add Ceramic Pipe
302		C.F 10K 1/4W	2B	ridd ddiaine ripe
	3069103270		1B	
303			1B	
304		C.F 100 ¼W	1B	
305	3069102270			
306	3069151270		1B	
307		C.F 100K 1/4W	1B	
308		C.F 100K 1/4W	1B	
R309		C.F 10K 1/4W	1B	
310	3069103270		1C	
311	3069223270	C.F 22K 1/4W	1B	
312	3069103270	C.F 10K 1/4 W	1C	
313		C.F 1K 1/4 W	1C	
R314	3069103270	C.F 10K 1/4 W	1C	
R315	3069223270	C.F 22K 1/4W	1C	
316	3069103270	C.F 10K 1/4W	1C	
317	3069473270		1C	
318	3069103270		1C	C.D.E.F GND(0)
319	3069473270		1C	
320		C.F 47K 1/4 W	1C	
R321	3069473270		1C	
R322	3069473270		1C	
R323	3069473270		1C	
• CAPACI	TORE			
CAPACI	3579103530	Ceramic 0.01 µ/50V	2B	
C302	3479210971	Elect 1 µ/50V	1B	
2302 2303	3479210971	Elect 47µ/16V	1B	
2303	3579103530	Ceramic 0.01 µ/50V	1B	
C305	3579103530	Ceramic 0.01 µ/50V	1B	
2306	3479247031	Elect 47µ/16V	1C	
C307	3409222211	Elect 2200µ/6.3V	1B	
C308	3579103530	Ceramic 0.01 µ/50V	1B	
C309	3479	Ceramic 0.1 µ/50V	1B	
C310	3479210971	Elect 1µ/50V	1B	
C311	3479210871	Elect 0.1 μ/50V	1B	
C312	3529220210	Ceramic 22P/50V(CH)		
C313	3529220210	Ceramic 22P/50V(CH)		
C314	3509473530	Ceramic 0.047µ/50V	2B	
C315	3509473530	Ceramic 0.047µ/50V	1B	
LCD	2338009920	SLC-60106RSN	2C	
K-TAL	3908101050	4.5MHz	2B	

FRONT BOARD 4002214930

Ref No.	Parts No.	Description	Position	Remark
• DIODES				
D401	2308220130	LED SLV56URC	3A	
D404	2308220507	LED SLV56DC3	3A	
D405	2308220507	LED SLV56DC3	2A	
D406	2308220507	LED SLV56DC3	2A	
D407	2308220507	LED SLV56DC3	2A	
D408	2308220130	LED SLV56URC	2A	
D409	2308220507	LED SLV56DC3	2A	
• RESIST	ORS			
R401	3069132270	C.F 1.3K 1/4 W	1A	
R402	3069132270	C.F 1.3K 1/4 W	1A	
R403	3069132270	C.F 1.3K 1/4W	1A	
R404	3069181270	C.F 180 1/4 W	1A	
R405L/R	3069102270	C.F 1K 1/4W	1A	

LCD LAMP BOARD 40

Ref No.	Parts No.	Descript
LAMP	2528203810	BQ051-34303/

BIAS BOARD 4002214

Raf No.	Parts No.	Descript
Q204L/R	2008610102	2SD1302S

SW BOARD 40022149

Ref No.	Parts No.	Descripti		
• CAPACI	TORS			
C154'	3579471130	Ceramic 470P		
C156'	3579471130	Ceramic 470PI		
• POWER	TRANSFORMI	ERS		
	2828055707			
	2828056607			
	2828056501			
• FUSES				
F201	5508212231	NB 31.8 1.5A		
	5508301934			
	5508212230			
F202	5508212031			
	5508212030			
F203L/R	5508212831			
. 2002/11	5508402734			
	5508212830	NB 31.8 3.5A		
	0000212000	110 01.0 0.00/		

*REMARK

VERSION	COUNTRY
Α	USA/CANADA
В	U.S. MILITARY/OTHER COL
С	GENERAL EUROPE
D	GERMANY
Ε	AUSTRALIA/BRITIS
F	SCANDINABIAN COL

LCD BOARD 4002214910

Remark

Ref No.	Parts No.	Description	Position	Remark
• IC				
C301	2138010101	MN1527KMA	1C	
• TRANSI	STORS			
2301	2208606108	KTC2240BL	1B	
2302	2018211100	FTT, 2SK168D	2B	
2303	2208606104	KTC 1815Y	1B	
2304	2208606104	KTC 1815Y	1C	
2305	2208606105	KTA 1015Y	1C	
• 010056				
● DIODES D301	2058599104	Zener DZJ.6BM	1B	
0302	2058306101	IN 4148	1B	
0303	2058306101	IN 4148	1B	
• RESIST	ORS			
R301	3069101270	C.F 100 1/4 W	1B	Add Ceramic Pipe
R302	3069103270	C.F 10K 1/4W	2B	
R303	3069102270	C.F 1K 1/4W	1B	
R304	3069101270	C.F 100 1/4 W	1B	
R305	3069102270	C.F 1K 1/4W	1B	
R306	3069151270	MO 150 1W	1B	
R307	3069104270	C.F 100K 1/4W	1B	
R308	3069104270	C.F 100K 1/4W	1B	
R309	3069103270	C.F 10K 1/4W	1B	
R310	3069103270	C.F 10K 1/4W	1C	
	3069223270	C.F 22K 1/4W	1B	
R311	3069103270	C.F 10K 1/4W	1C	
R312	3069103270	C.F 1K 1/4W	1C	
R313		C.F 10K 1/4W	1C	
R314	3069103270 3069223270	C.F 22K 1/4W	1C	
R315		C.F 10K ¼W	1C	
R316	3069103270		1C	
R317	3069473270	C.F 47K ¼W C.F 10K ¼W	1C	C.D.E.F GND(0)
R318	3069103270	C.F 47K 1/4W	1C	C.D.L.I GIVD(0)
R319	3069473270	C.F 47K 1/4W	1C	
R320	3069473270		1C	
R321	3069473270	C.F 47K 1/W	1C	
R322 R323	3069473270 3069473270	C.F 47K ¼W C.F 47K ¼W	1C	
● CAPACI C301	TORS 3579103530	Ceramic 0.01 µ/50V	2B	
C301	3479210971	Elect 1µ/50V	1B	
C302 C303	3479247031	Elect 47µ/16V	1B	
C304	3579103530	Ceramic 0.01/4/50V	1B	
C305	3579103530	Ceramic 0.01 µ/50V	1B	
C306	3479247031	Elect 47µ/16V	1C	
C307	3409222211	Elect 2200µ/6.3V	1B	
C308	3579103530	Ceramic 0.01 µ/50V	1B	*
C309	3479	Ceramic 0.01 µ/50V	1B	
C309 C310	3479210971	Elect 1μ/50V	1B	
C310 C311	3479210971	Elect 0.1 µ/50V	1B	
			1B	
C312	3529220210	Ceramic 22P/50V(CH)		
C313	3529220210	Ceramic 22P/50V(CH)	2B	
C314	3509473530	Ceramic 0.047µ/50V	2B	
C315	3509473530	Ceramic 0.047µ/50V	1B	
LCD	2338009920	SLC-60106RSN	2C	
X-TAL	3908101050	4.5MHz	2B	

FRONT BOARD 4002214930

Ref No.	Parts No.	Description	Position	Remark
• DIODES				
D401	2308220130	LED SLV56URC	3A	
D404	2308220507	LED SLV56DC3	3A	
D405	2308220507	LED SLV56DC3	2A	
D406	2308220507	LED SLV56DC3	2A	
D407	2308220507	LED SLV56DC3	2A	
D408	2308220130	LED SLV56URC	2A	
D409	2308220507	LED SLV56DC3	2A	
• RESIST	ORS			
R401	3069132270	C.F 1.3K 1/4 W	1A	
R402	3069132270	C.F 1.3K 1/4W	1A	
R403	3069132270	C.F 1.3K 1/4W	1A	
R404	3069181270	C.F 180 1/4W	1A	
R405L/R	3069102270	C.F 1K 1/4W	1A	

LCD LAMP BOARD 4002214920

Ref No.	Parts No.	Description	Position	Remark
LAMP	2528203810	BQ051-34303A	3B	

BIAS BOARD 4002214950

Raf No.	Parts No.	Description	Position	Remark
Q204L/R	2008610102	2SD1302S	4B	

SW BOARD 4002214940

Ref No.	Parts No.	Description	Position	Remark	
• CAPACI	TORS				
C154'	3579471130	Ceramic 470PF/50V	4A		
C156'	3579471130	Ceramic 470PF/50V	4A	В	
• POWER	TRANSFORME	ERS			
	2828055707			Α	
	2828056607			C.D.F	
	2828056501			B,E	
• FUSES					
F201	5508212231	NB 31.8 1.5A/250V SJ	UL 3C	A.B	
	5508301934	T.L 20 800m A / 250 V SE	MO 3C	C.D.F.E	
	5508212230	NB 31.8 1.5A/250V KS	3C		
F202	5508212031	NB 31.8 1A/250V SJU	L 3C	В	
	5508212030	NB 31.8 1A/250V KS	3C	_	
F203L/R	5508212831	N.B 31.8 3.5A/250V S.		A.B	
	5508402734			C.D.E.F	
	5508212830	NB 31.8 3.5A/250V KS			

*REMARK

VERSION	COUNTRY	AC INPUT	REMARK (SAFETY)
A B	USA/CANADA U.S MILITARY/OTHER COUNTRIES	120V/60Hz 5 120.220V/60.50Hz	UL,CSA
С	GENERAL EUROPE	220V/50Hz	IEC-65
D	GERMANY	220V/50Hz	FTZ
E	AUSTRALIA/BRITISH	240V/50Hz	SAA.BSI
F	SCANDINABIAN COUNTRY	Y 220V/50Hz	(S) (N) (D) (Fi) (\$)

Electrical Parts List

TUNER BOARD 400221500

TUNER BOARD 400221500						
Ref No.	Parts No.	Description	Position	Remark		
• ICS						
IC101	2168017128	LA1266	2A	IF MDV		
IC102 IC103	2168411105 2168220104	HA12016 NJM 4558DD	3C 1B	MPX PHONO EQ		
10103	2100220104	HOIVI 400000	10	THORU EU		
• COILS						
L101	2648001260	FM ANT	1C			
L101	2648001410	FM ANT	1C	FTZ		
L102	2648001270	FM RFI(A)	1C	577		
L102	2648001390	FM RFI(A)	1C 1C	FTZ		
L103 L103	2648001280 2648001410	FM RF1(B) FM RF1(B)	1C	FTZ		
L103	2648001290	FM RF2(A)	1C	112		
L104	2648001290	FM RF2(A)	1C	FTZ		
L105	2638001060	FM OSC	2C			
L106	2648601400	Inductor 2.2 µH	2C			
L107(4)	2648001290	FM RF2(A)	1C	FTZ		
	2648601470	50µH	1B	FTZ		
LF10	2649001010	Inductor 20.8mH	2B	FTZ only, but delete 3J115		
	2648601010	Inductor 2.2 µH		FTZ only, but delete 6J113		
T101	2648601010	Inductor 2.2µH IFT FM	C2	FTZ only, but delete R113		
T101 T102	2838001030 2838501110	Quad Det(A)FM	2A			
T102	2838501210	Quad Det(B)FM	2A 2A			
T103	2608201120	OSC AM	2A 2A			
T106	2848001250	IFT AM	2A			
• CAPACIT						
TC101	3838001000	Trimmer TZ03R110F	1C			
TC102	3838001000	Trimmer TZ03R110F	2C	F. 7.		
TC103(4)	3838001000	Trimmer TZ03R110F	1C	FTZ		
TC104	3838001010	Trimmer TZ03R200F	1B			
TC105	3579309030 3529209210	Ceramic 5p/50V Ceramic 2P/50V(CH)	2A			
CF101	3908011010	F.C Ceramic 10.7MA8	2C	FTZ only, then		
	2200011010	5 55.6 10.714/AU		Using 10.7MS3GH-A		
CF102	3908011001	F.C Ceramic 10.7MA8	2B	FTZ only, then		
				Using 10.7MS3GH-A		
CF102	3908011001	F.C Ceramic 10.7 MA8	2B	Using for FTZbut delete		
CE102/4\	265020110	E M 10VU-	2D	4J112		
CF103(4)	265830110	F.M 19KHz	3B	Using for FTZ but delete 4J112		
	2658301100	F.M 19KHz	3C	FTZ only but delete 3J120		
CF104	3908001150	F.C SFZ 450B	2B	,		
CF105	3908001020	F.C BFU 450C4N	2B			
• TRANSIS		FFT OCK 74	10			
Q101	2018213100	FET 3SK74L	1C			
Q102	2008406103 2008406103	KTC 1923 KTC1923	2C 2C			
Q103 Q104	2008406103	KTK 161YR	2C 2C			
Q105	2008406103	KTC 1923	2C 2C			
Q106	2008409101	LM 9018F	2B			
Q107	2208606104	KTC 1815	3C			
Q108	2208606105	KTA 1015	3C			
Q109	2208606104	KTC 1815	3C			
Q100	2208606105	KTA 1015	3C			
Q111	2208606104	KTC 1815	3C			
Q112	2208606104	KTC 1815	3C			
Q113	2208606105	KTA1015	3C 3C			
Q114 Q115	2208606104 2208606104	KTC 1815 KTC 1815	3C 3B			
4110	220000104		35			
• DIODES						
D101	2058819107	Varactor KV 1310A	1C			
D102	2058819107	Varactor KV 1310A	1C			
D103(4)	2058819107	Varactor KV 1310A	1C	FTZ		
D104	2058819106	Varactor KV 1310A	2C	ET7 KV10067		
D105	2058819106	Varactor KV 1236Z	1B	FTZ KV123SZ		
D106 D107	2058819107 2058106100	Varactor KV 1236Z IN 4148	2A 2B	FTZ KV123SZ		
D107	2058106100	IN 4148	2B			
D109	2058106100	IN 4148	3C			
	2058106100	IN 4148	2C			
		IN 4148	3C			
D110 D111	2058106100	111 7170				
D110	2058106100 2058106100	IN 4148	2C			
D110 D111						
D110 D111 D112	2058106100	IN 4148	2C			

Ref No.	Parts No.	Description	Position	Remark
D116	2058106100	IN 4148	3B	
	NDUCTOR RE			
VR101		Semi 22K(B)	2B	
VR102 VR103		Semi 22K(B) Semi 220K(B)	2B 3B	
VR104		Semi 3.3K(B)	2C	
• RESISTO	ORS			
R101	3069333970	C.F 33K.1/sW	1C	
R102 R103	3069105970 3069104970	C.F IM 1/2 W C.F 100K 1/2 W	1C 1C	
R104	3069104970	C.F 100K 1/5 W	1C	
R105	3069473970	C.F 47K 1/2 W	1C	
R106 R107	3069181970 3069470970	C.F 180 1/4 W C.F 47 1/4 W	1C 1C	
R108	3069101970	C.F 100 1/5 W	ič	
R109	3069333970	C.F 33K 1/5 W	1C	
R110 R111	3069472970	C.F 4.7K 1/2W	2C 2C	
R112	3069561970 3069473970	C.F 560 1/2 W C.F 47K 1/2 W	2C 2C	
R113	3069333970	C.F 33K 1/5 W	2C	
R114	3069103970	C.F 10K 1/5W	2C	
R115 R116	3069101970 3069822970	C.F 100 1/2 W C.F 8.2K 1/2 W	2C 2C	
R117	3069332970	C.F 3.3K 1/2 W	2C 2C	
R118	3069274970	C.F 270K 1/5 W	2C	
R119	3069101970	C.F 100 1/8 W	2C	
R120 R121(4)	3069820970 3069333970	C.F 82 1/2 W C.F 33K 1/2 W	2C 1C	FTZ
R121(4)	3069273970	C.F 27K 1/2 W	1C	F12
R123	3069471970	C.F 470 1/5 W	2C	
R124	3069561970	C.F 560 1/s W	2C	
R125 R126	3069181970 3069332970	C.F 180 1/5 W C.F 3.3K 1/5 W	2C 2B	
R127	3069471970	C.F 470 1/2 W	2B	
R128	3069331970	C.F 330 1/5 W	2B	
R129 R130		C.F 100 ¼W C.F 100 ¼W	2B 2B	with Ceramic Pipe with Ceramic Pipe
R131	3069561970	C.F 560 1/2 W	2B	with Ceramic ripe
R132	3069101970	C.F 100 1/5 W	2B	
R133	3069223970	C.F 22K 1/5W	1B	
R134 R135	3069333970	C.F 33K 1/4W C.F 470 1/4W	2A 2A	with Ceramic Pipe
R136	3069683970	C.F 68K 1/5W	2A	With Column 1 ipo
R137	3069332970	C.F 3.3K 1/5 W	2A	
R138 R139	3069103970	C.F 10K 1/2 W C.F 22 1/4 W	2A 2B	with Ceramic Pipe
R140	3069222970	C.F 2.2K 1/2W	2B	with Ceramic ripe
R141	3069472970	C.F 4.7K 1/5W	2B	
R142	3069104970	C.F 100K 1/2 W	2B	
R143 R144	3069753970 3069563970	C.F 75K 1/4W C.F 56K 1/4W	2B 3C	
R145	3069103970	C.F 10K 1/2 W	2B	
R146	3069103970	C.F 10K 1/5W	2A	
R147 R148	3069220970 3069223970	C.F 22 1/2 W C.F 22K 1/2 W	2B 3B	
R149	3069332970	C.F 3.3K 1/2W	3B	
R150	3069223970	C.F 22K 1/5 W	3C	
R151	3069332970	C.F 3.3K 1/4W	3C	
R152 R153	3069392970	C.F 3.9K 1/2 W C.F 47 1/4 W	3B 2B	with Ceramic Pipe
R154	3069332970	C.F 3.3K 1/2 W	3B	With Coramo ripo
R155	3069473970	C.F 47K 1/2 W	3C	
R156 R157	3069332970 3069473970	C.F 3.3K 1/2 W C.F 47K 1/2 W	3C 3B	
R158	3069473970	C.F 3.3K 1/5 W	3B	
R159	3069332970	C.F 3.3K 1/2 W	3B	
R160	3069332970	C.F 3.3K 1/2W	3C	
R161 R162	3069332970 3069104970	C.F 3.3K 1/2 W C.F 100K 1/2 W	3B 3C	
R163	3069562970	C.F 5.6K 1/8 W	2C	
R164	3069102970	C.F 1K 1/6W	3C	
R165	3069223970	C.F 22K 1/3W	2B	
R166 R167	3069103970 3069473970	C.F 10K 1/4 W C.F 47K 1/4 W	3C 3C	
R168	3069473970	C.F 47K 1/5 W	3C	
R169	3069103970	C.F 10K 1/5W	3C	
R170	3069473970	C.F 47K 1/4 W	3C	
R171	3069103970	C.F 10K 1/4 W C.F 10K 1/4 W	3C	

Ref No.	Parts No.	Description	Position	Remark
R173	3069473970	C.F 47K 1/5 W	3C	
R174	3069223970	C.F 22K 1/2 W	3C	
R175	3069473970	C.F 47K 1/5 W	3C	
R176	3069103970	C.F 10K 1/2 W	3C	
R177	3069103970	C.F 10K 15W	3C	
R178	3069473970	C.F 47K 1/5 W	3C	
R179	3069103970	C.F 10K 1/5 W	3C	
R180	3069103970	C.F 10K 1/2 W	3C	
R181	3069183970	C.F 18K 1/5 W	2A	The Other Region 47K
R182L/R	3069102970	C.F 1K15W	1B	3
R183L/R	3069104970	C.F 100K 1/5 W	1B	
R184L/R	3069564970	C.F 560K 1/5 W	1B/1A	
R185L/R	3069433970	C.F 43K 1/2 W	1B/1A	
R186L/R	3069911970	C.F 910K 1/2 W	1B/1A	
R187		C.F 56 14 W	2B	
3188		C.F 56 14W	1B	
R189L/R	3069104970	C.F 100K1/2 W	1B/1A	
R190L/R	3069561970	C.F 560K 1/5 W	1B/1A	
R191L/R	3069102970	C.F 1K15W	1A	
R192L/R	3069102970	C.F 5601/2 W	1A	
R193L/R	3069102970	C.F 1K1/5W	1A	
R194L/R	3069102970	C.F 1K 1/2 W	1A	
R195L/R	3069823970	C.F 82K 1/5 W	3B	
R196L/R	3069272970	C.F 2.7K 1/5 W	3B	
R197	3069272970	C.F 82K 1/5 W	1C	
RF1L/R	3069104970	C.F 100K 1/2 W	1A	
RF2L/R	3069104970	C.F 100K 1/2 W	1A	
RF3L/R	3069104970	C.F 100K 1/5 W	1A	
RF4L/R	3069104970	C.F 100K 1/2W	1A	
• CAPACIT				
C101(F)	3529309210	Ceramic 3P/50V(CH)	1C	FTZ
C102(4)	3509200130	Ceramic 20P/50V	1C	FTZ
C103	3509101130	Ceramic 100P/50V	1C	
C104	3509203530	Ceramic 0.02 \(\mu / 50 \)	1C	
C105	3509102530	Ceramic 0.001 µ/50V	1C	
C106	3509203530	Ceramic 0.02 \(\mu /50 \)	1C	577
C107(4)	3509200130	Ceramic 20P/50V	1C	FTZ
C108	3529809110	Ceramic 8P/50V(RH)	1C	
C109	3509101130	Ceramic 100P/50V	2C	ET 7
C110(4)	3509200130	Ceramic 20P/50V	1C	FTZ
C111(4)	3509809030	Ceramic 8P/50V	1C	FTZ
C112	3479210971	Elect 1 \(\mu \) F/50V	2C	
C113	3509203530	Ceramic 0.02µ/50V	2C	
C114	3529209210	Ceramic 2P/50V(CH)	2C	
C115	3529809210	Ceramic 8P/50V(CH)	2C	
C116	3529109210	Ceramic 1P(CH)	2C	
C117	3529809210	Ceramic 8P/50V(RH)	2C	
C118	3529330210	Ceramic 33P/50V(CH)	2C	
C1 19	3529150110	Ceramic 15P/50V(RH)	2C	
C1 20	3509103530	Ceramic 0.01 µ/50V	2C	
C1 21	3509103530	Ceramic 0.01 μ/50V	2C	
C1 22	3509473530	Ceramic 0.047µ/50V	2C	
C1 23	3409210131	Elect 100μF/16V	2B	
C1 24	3509101130	Ceramic 100P/50V	2C	
C1 25	3509203530	Ceramic 0.02µ/50V	2C	
C1 26	3509223530	Ceramic 0.022µ/50V	2C	
C1 27	3579223530	Ceramic 0.02µ/50V	2B	
C1 28	3509473530	Ceramic 0.047µ/50V	1B	
C1 29	3579103530	Ceramic 0.01 μ/50V	1B	
C1 30	3579103530	Ceramic 0.01 μ/50V	1B	
C1 31	3619470110	Poly 470P/50V	2A	
C1 32	3579203530	Ceramic 0.02µ/50V	2A	
C1 33	3579470130	Ceramic 47P/50V	2B	
C134	3579223530	Ceramic 0.022µ/50V	2A	
C1 35	3579223530	Ceramic 0.022µ/50V	2A	
C136	3479222031	Elect 22µ/16V	2B	
C1 37	3579103530	Ceramic 0.01 μ/50V	2B	
C1 38	3579331130	Ceramic 330P/50V	2B	
C1 39	3479210971	Elect 1µ/50V	2A	
C1 40	3679473120	Mylar 0.047µ/100V	28	
C1 41	3679332120	Mylar 0.033μ/100V	2B	
C1 42	3479233971	Elect 3.3µ/50V	2B	
C1 43	3679473120	Ceramic 0.047μ/50V	2B	
C1 44	3479210071	Elect 10µ/50V	2A	
C1 45	3579103530	Ceramic 0.01 μ/50V	2A	
C1 46	3479210071	Elect 10µ/50V	2A	
C1 47	3579103530	Ceramic 0.01 μ/50V	2A	
C1 48	3479247971	Elect 4.7µ/50V	2A	
C1 49	3479210971	Elect: 1µ/50V	2B	
C150	3479222031	Elect 22µ/16V	2B	

* A BASIS R

-		
<u>n</u>	Remark	_
	FTZ	
	with Ceramic Pipe with Ceramic Pipe	
	with Ceramic Pipe	
	with Ceramic Pipe	
	with Ceramic Pipe	

Ref No.	Parts No.	Description	Position	Remark
R173	3069473970	C.F 47K 1/2 W	3C	
R174	3069223970	C.F 22K 15W	3C	
R175	3069473970	C.F 47K 16W	3C 3C	
R176	3069103970	C.F 10K 16W C.F 10K 16W	3C	
R177 R178	3069103970 3069473970	C.F 47K 15W	3C	
R179	3069103970	C.F 10K 15W	3C	
R180	3069103970	C.F 10K 15W	3C	
R181	3069183970	C.F 18K 1/5 W	2A	The Other Region 47K
R182L/R	3069102970	C.F 1K/sW	1B	
R183L/R	3069104970	C.F 100K 1/2 W	1B	
R184L/R	3069564970	C.F 560K 1/2 W C.F 43K 1/2 W	1B/1A 1B/1A	
R185L/R R186L/R	3069433970 3069911970	C.F 910K 1/2W	1B/1A	
R187	3003311370	C.F 56 1/4 W	2B	
R188		C.F 56 1/4 W	1B	
R189L/R	3069104970	C.F 100K1/s W	1B/1A	
R190L/R	3069561970	C.F 560K 1/2 W	1B/1A	
R191L/R	3069102970	C.F 1K15W	1A	
R192L/R	3069102970	C.F 560% W	1A	
R193L/R	3069102970 3069102970	C.F 1K! ₅ W C.F 1K ! ₅ W	1A 1A	
R194L/R R195L/R	3069823970	C.F 82K 1/5 W	3B	
R196L/R	3069272970	C.F 2.7K 1/5 W	3B	
R197	3069272970	C.F 82K 1/5W	1C	
RF1L/R	3069104970	C.F 100K 1/5 W	1A	
RF2L/R	3069104970	C.F 100K 1/2 W	1A	
RF3L/R	3069104970	C.F 100K 1/5 W	1A	
RF4L/R	3069104970	C.F 100K 1/5W	1A	
• CAPACI		00/50/4/011	10	CT 7
C101(F)	3529309210	Ceramic 3P/50V(CH)	1C 1C	FTZ FTZ
C102(4)	3509200130 3509101130	Ceramic 20P/50V Ceramic 100P/50V	1C	F12
C103 C104	3509203530	Ceramic 0.02 \(\mu / 50 \)	1C	
C105	3509102530	Ceramic 0.001 µ/50V	1C	
C106	3509203530	Ceramic 0.02 µ /50V	1C	
C107(4)	3509200130	Ceramic 20P/50V	1C	FTZ
C108	3529809110	Ceramic 8P/50V(RH)	1C	
C109	3509101130	Ceramic 100P/50V	2C	FTZ
C110(4)	3509200130 3509809030	Ceramic 20P/50V Ceramic 8P/50V	1C 1C	FTZ
C111(4) C112	3479210971	Elect 1µF/50V	2C	
C113	3509203530	Ceramic 0.02µ/50V	2C	
C114	3529209210	Ceramic 2P/50V(CH)	2C	
C115	3529809210		2C	
C116	3529109210		2C	
C1 17	3529809210 3529330210	Ceramic 8P/50V(RH) Ceramic 33P/50V(CH)	2C) 2C	
C118	3529350210	(
C1 20	3509103530	Ceramic 0.01 µ/50V	2C	
C1 21	3509103530	Ceramic 0.01 µ/50V	2C	
C1 22	3509473530	Ceramic 0.047µ/50V	2C	
C1 23	3409210131	Elect 100μF/16V	2B	
C1 24	3509101130	Ceramic 100P/50V Ceramic 0.02µ/50V	2C 2C	
C1 25 C1 26	3509203530 3509223530		2C	
C1 27	3579223530	!	2B	
C1 28	3509473530		1B	
C1 29	3579103530		1B	
C1 30	3579103530		1B	
C1 31	3619470110		2A	
C1 32 C1 33	3579203530 3579470130		2A 2B	
C1 34	3579223530		2A	
C1 35	3579223530	/	2A	
C1 36	3479222031	Elect 22µ/16V	2B	
C1 37	3579103530		2B	
C1 38	3579331130		2B	
C1 39	3479210971	Elect 1 \(\mu / 50 \rangle \)	2A 2B	
C1 40	3679473120 3679332120		2B 2B	
C1 41 C1 42	3479233971		2B	
C143	3679473120		2B	
C1 44	3479210071	Elect 10µ/50V	2A	
C1 45	3579103530	Ceramic 0.01 µ/50V	2A	
C1 46	3479210071		2A	
C1 47	3579103530		2A 2A	
C1 48 C1 49	3479247971 3479210971		2B	
C150	3479222031		2B	

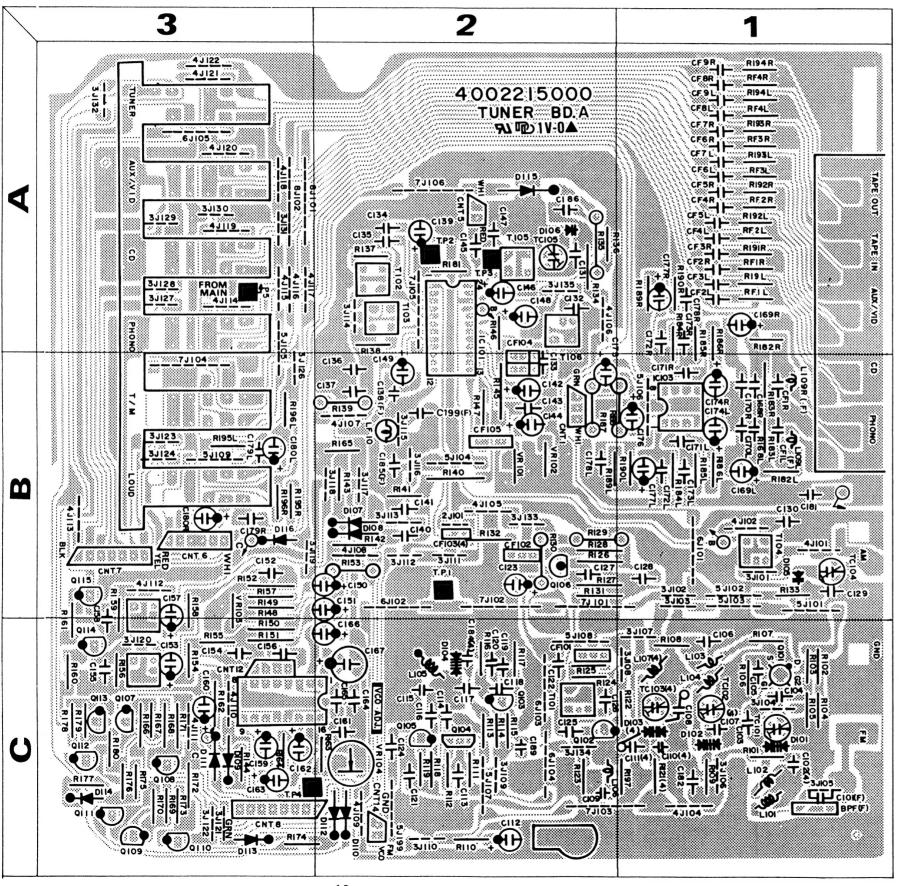
Ref No.	Parts No.	Description	Position	Remark
C151	3479222031	Elect 22µ/16V	2B	
C152	3579221130	Ceramic 220P/50V	3B	
C153	3409222971	Elect 2.2//50V	3C	
C154	3679152120	Mylar 0.0015/1/100V	3C	for Multi-Version 0.001 /r(M
C155	3679682120	Mylar 0.0068 µ/100V	3C	
C156	3679152120	Mylar 0.0015µ/100V	3C	for Multi-Version 0.001 μ (M)
C157	3409222971	Elect 2.2µ/50V	3B	
C158	3679682120	Mylar 0.0068 µ/50V	3B	
C159	3479233971	Elect 3.3µ/50V	3C	
C160	3479210971	Elect 1µ/50V	3C	
C161	3619102110	Poly 1000P/50V	2C	
C162	3479210971	Elect 1µ/50V	3C	
C163	3479233971	Elect 3.3µ/50V	3C	
C164	3619681110	Poly 680P/50V	2C	
C165	3679473120	Mylar 0.047µ/100V	2C	
C166	3479233971	Elect 3.3µ/50V	2C	
C167	3409222131	Elect 220µ/16V	2C	
C168L/R	3579680130	Ceramic 68P/50V	1B	
C169L/R	3479210061	Elect 10µ/35V	1B/1A	
C170L/R	3579391130	Ceramic 390P/50V	1B	
C170L/R	3579222530	Ceramic 2200P/50V	1B	
C1772L/R	3679562120	Mylar 0.0056µ1	1B/1A	
C173L/R	3679182120	Mylar 0.0038µ1	1B/1A	
C174L/R	3409210121	Elect 100µ/10V	1B	
C175	3479222041	Elect 22µ/25V	2B	
C176	3479222041	Elect 22µ/25V	1B	
C177L/R	3479210971	Elect 1µ/50V	1B/1A	
C177L/R	3679152120	Mylar 0.0015µ/100V	2B/1A	
C1 79L/R	3579151130	Ceramic 150P/50V	3B	
C179L/R	3479222871	Elect 0.22 /4/50V	3B	
C180L/N	3579473530	Ceramic 0.047µ/50V	1B	
C182	3579203530	Ceramic 0.04/µ/50V	1C	
C183	3529209210	Ceramic 2P/50V(CH)	1B	
C184 4	3509200130	Ceramic 20P/50V	2C	FTZ
	3579101130	Ceramic 100P/50V	2B	FTZ
C185(F)	3579470130	Ceramic 47P/50V	2A	112
C186	3529209210	Ceramic 29/50V(CH)	2C	
C189	3579220130	Ceramic 22P/50V	1B	FTZ
CF1L/R		Ceramic 330P/50V	1A	FTZ
CF2L/R	3579330130	Ceramic 330P/50V	1A	FTZ
CF3L/R	3579330130		1A	FTZ
CF4L/R	3579330130	Ceramic 330P/50V		FTZ
CF5L/R	3579330130	Ceramic 330P/50V	1A	FTZ
CF6L/R	3579330130	Ceramic 330P/50V	1A	FTZ
CF7L/R	3579330130	Ceramic 330P/50V	1A	
CF8L/R	3579330130	Ceramic 330P/50V	1A	FTZ
CF9L/R	3579330130	Ceramic 330P/50V	1A	FTZ

*A BASIS REGION FOR 120V/60Hz

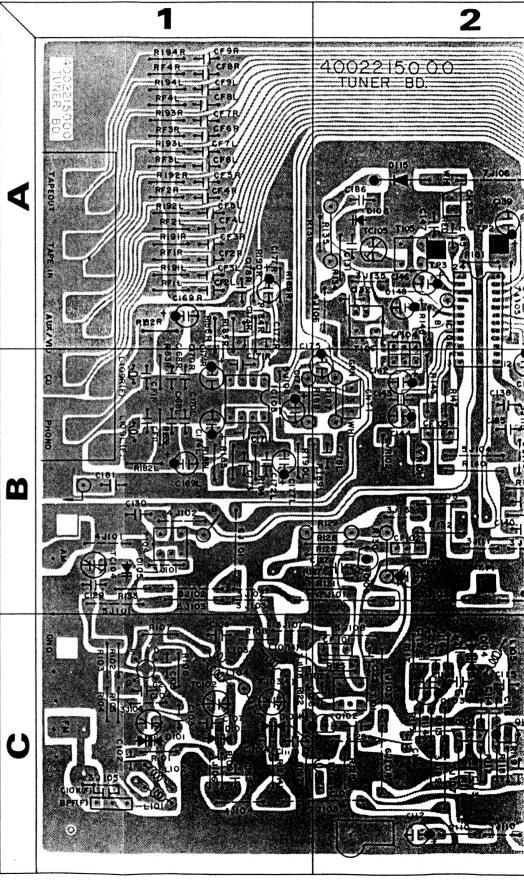
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Top & Bottom View of P.C Boards

TUNER BOARD 4002215000 (Top View)



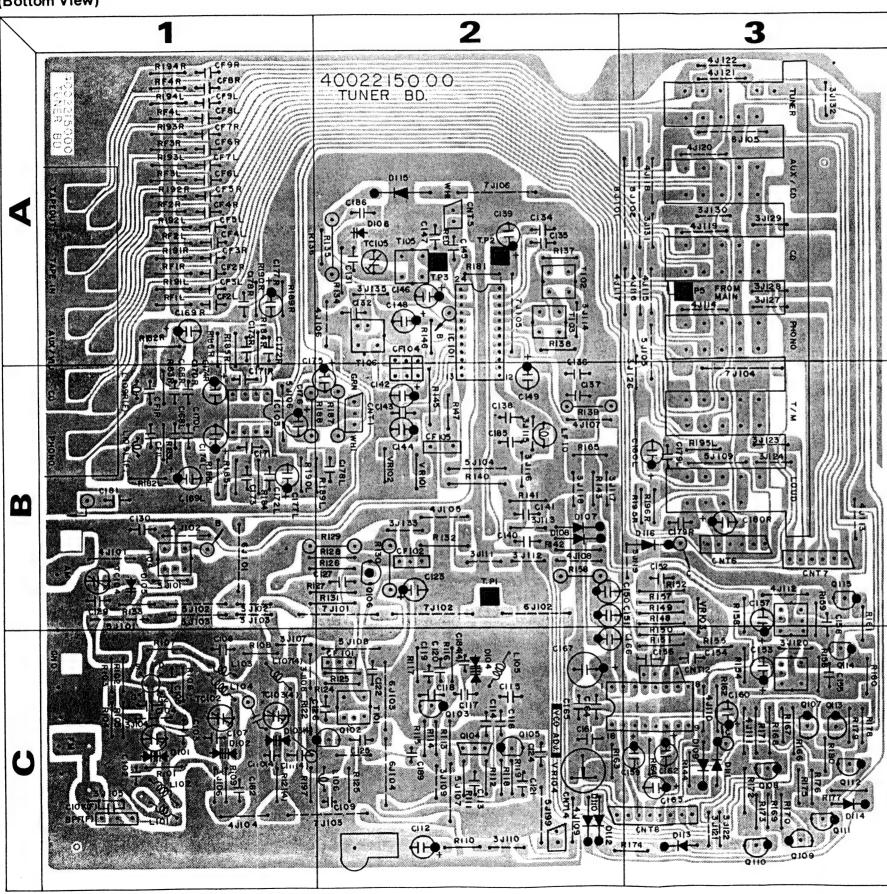
(Bottom View)



(Bottom View)

LIOSE (F)

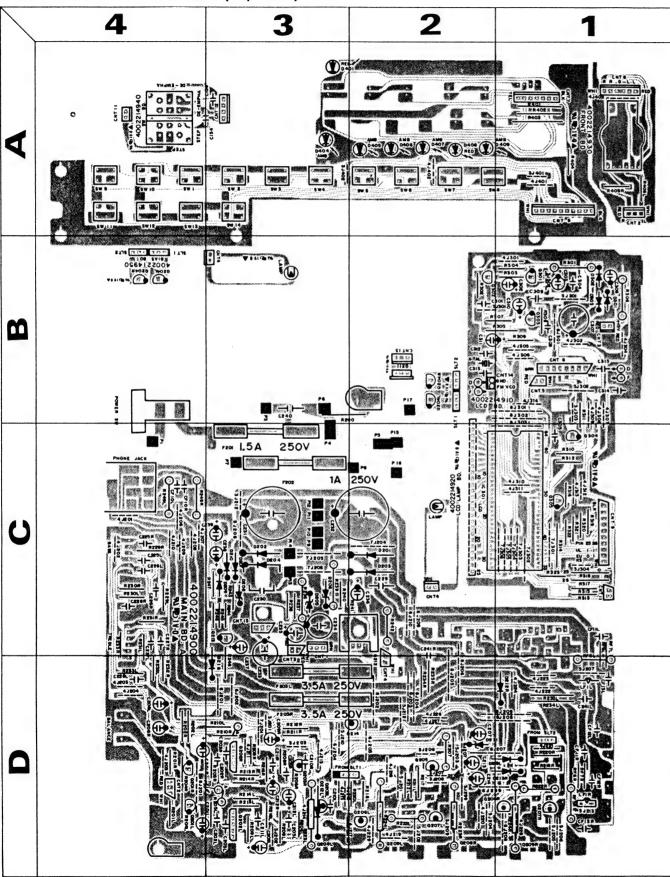
TH 2



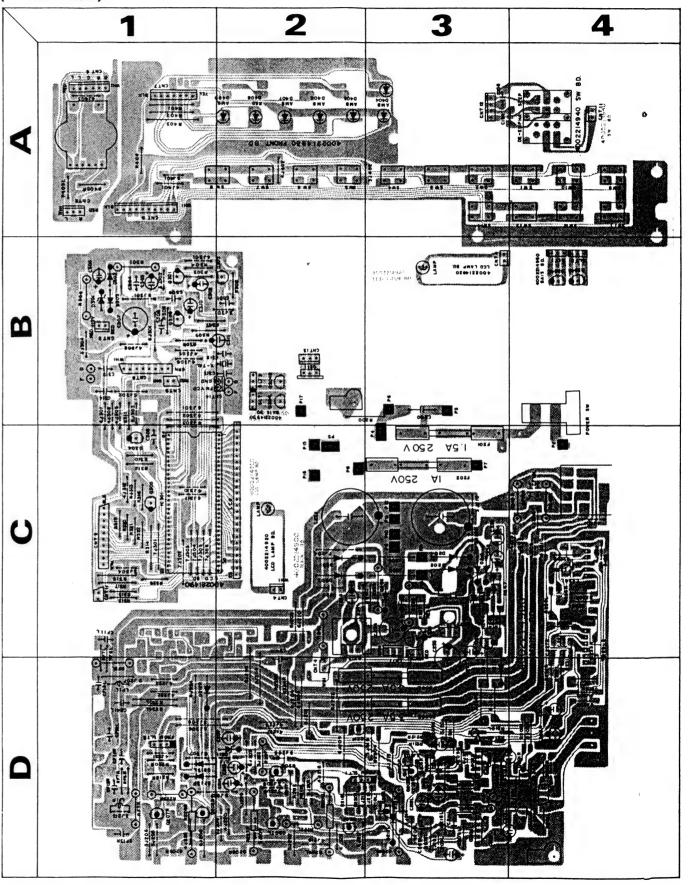
15

Top & Bottom View of P.C Boards

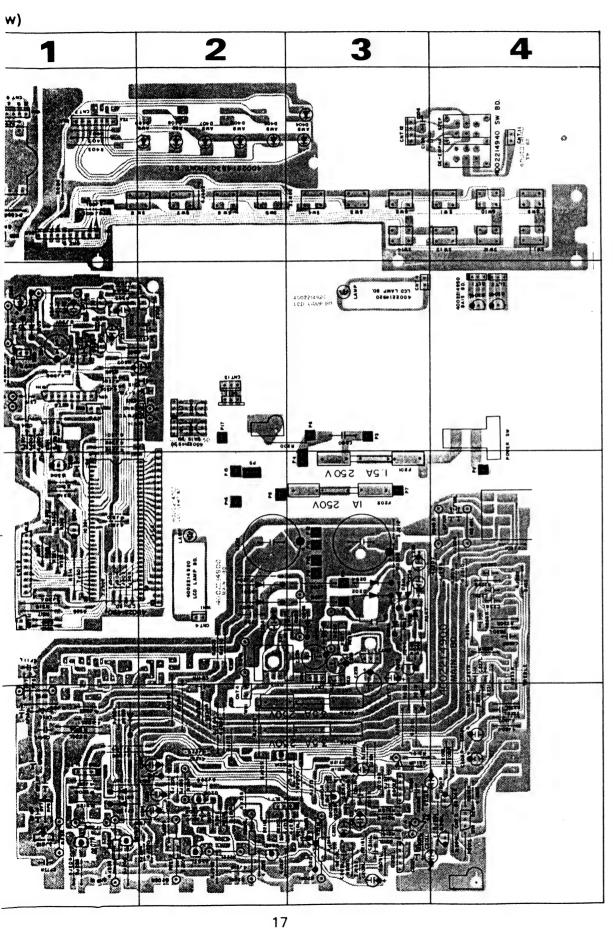
MAIN BOARD 4002214900 (Top View)

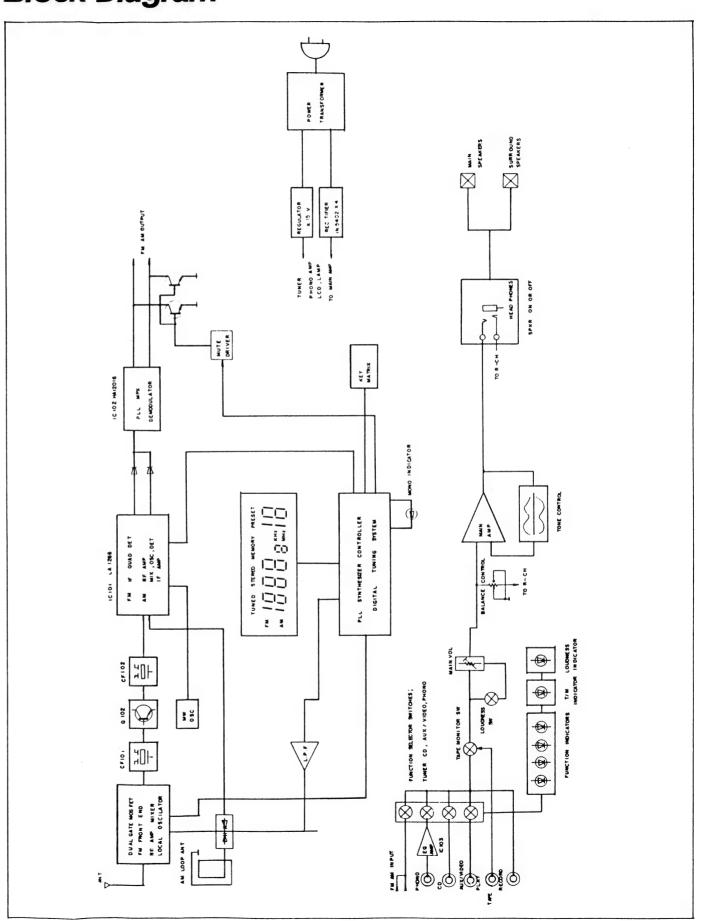


(Bottom View)



Block Diagram

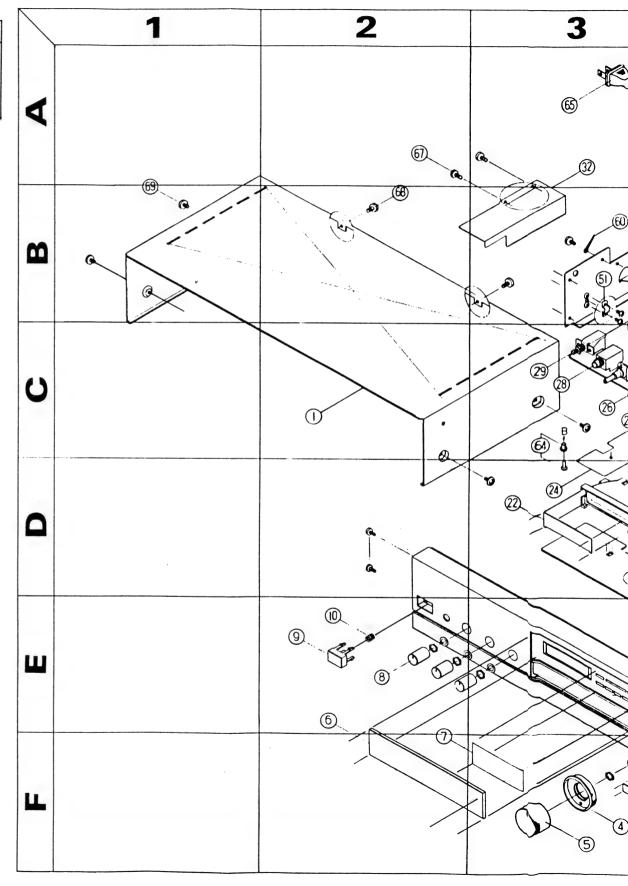




Parts List & Exploded View of Cabinet & Chassis

No.	PARTS NO.	DESCRIPTION	POSITION	Q'TY	POSITION
1	046122015811	COVER TOP	2C	1	
2 3	048501008811	PANEL FRONT	4F	1	
4	048535019011 8523009210	BADGE RING DECORATION	3F	1 1	
5	8543013710	KNOB ROTARY	3F	1	
6	048533004911	WINDOW DISPLAY	2E	i	
7	8535021010	DIFFUSER	2F	1	
8	8643003510	KNOB ROTARY	2E	3	
9 10	048545048211 6555004340	BUTTON PUSH POWER SPRING COIL	2E 2E	1	
11	048543014211	BUTTON TACT(L)	3E	1	
12	048543014212	BUTTON TACT(R)	4E	i	
13	048543014311	BUTTON PUSH(L)	4E	1	
14	048543014312	BUTTON PUSH(R)	4E 4E	1	
15 16	4658002610 3208050110	SW TACT VR 100KA×2	5E	14 1	
17	6063001210	HOLDER L.E.D	4D	i	
18	7005005510	SHAFT BUTTON	5D	6	
19	4628049310	SW PUSH	5D	1	
20 21	6503011010	BRACKET H/SINK	4D 4C	1	
22	7503008810 8555022410	H/SINK POWER FILTER L.C.D	3D	1	
23	6063001110	HOLDER L.C.D	3D	i	
24	6065103110	COVER FUSE(B)	3D	i	C,D,E,F
25	3208050010	VR ROTARY 250KW	3C	1	
26	3208049910	VR ROTARY 100KC × 2	3C	1	
27	046035101411	FOOT RUBBER	5E 3C	2	
28 29	4438003810 4628044010	MIC JACK SW POWER	3C	1 1	
30	7505200710	H/SINK REG	3B	2	
31	6123618610	FRAME LEFT	3A	1	C.D.E.F
32	6063102110	COVER FUSE(A)	3A	1	C.D.E.F
33	8209540011	NUT FLANGE M4	4B	4	
34	2828055707 2828056607	TRANSFORMER TRANSFORMER	4A 4A	1	CDF
	2828056501	TRANSFORMER	4A		C,D,F B,E
35	4408101360	TERMINAL SPEAKER	4C	1	0,2
36	7015003110	BUSSING	5B	2	
37 38	4438101910	JACK RCA(4P)	5B 5C	2	
39	4438102110 6165128510	JACK RCA(2P) FENCE SHIELD(B)	5C 5C	1 1	A.B
•	0.00.200.0	TENGE OF HEED(D)	5C	2	C.D.E.F
40	6163105610	FENCE SHIELD(A)	5C	1	A,B
41	4408001310	TENMINAL PUSH	5C	1	D
42 43	4408102610 4618001610	TERMINAL ANT SW SLIDE	5C 6C	1	A.B.C.E.F
44	4438301110	JACK DIN	6C	2 1	B D
45	6123618710	FRAME RIGHT	6D	i	
46	6035101410	FOOT RUBBER	6E	2	
47	6725002110	CUSHION FOOT	6E	4	_
48 49	6163105710 6163105810	FENCE SHIELD(C)	5E 5F	1	D
50	6165128610	FENCE SHIELD(D) FENCE SHIELD(E)	5F	1 1	D D
51	6505080910	BKT INSULATION	3B	1	D
52	6505080710	BKT PCB	4B	1	
53					
54 55	046102022121	CHASSIS BACK	4A		
55	046102022121	CHASSIS BACK	4A	1	A B
	046102022141		4A	1	c
	046102022151		4A	1	D
	046102022161		4A	1	E
56	046102022171 4618000410	SELECTOR VOLTAGE	4A 5B	1	F
57	6515000630	HOLDER VOLTAGE	5A	1	B B
58	4448102110	OUT LET AC(2P)	5A	2	A
59	6518000210	HOLDER ANT	6B	1	
60	6525000120	CLAMP WIRE	3B	1	
61 62	4465100110 4465100210	TERMINAL GND TERMINAL SCREW	6B 6B	1	
63	260827050	AM ANT LOOP	6B	1	
64	8238000110	RIVET NYLON	3C	2	C.D.E.F
65	4308001410	CORD AC POWER	3A	1	A.B
	4308000430		3A	1	C.D.F
66	4308003610 6518000710	STOPPER CORD	3A 4A	1	E A D
00	6518000710	STOFFER CORD	4A 4A		A,B C,D,E,F
67	8109330081	SCREW #2 BTC 3×8Y	2A		U,U,L,I
68	8119230083 8159440083	SCREW #2 PTC 3×8B	2B		
69		SCREW WSAM 4×8B	5A	8	1

VERSION	COUNTRY	AC INPUT	REMARK (SAFTY)
Α	USA/CANADA	120V/60Hz	UL.CSA
В	U.S MILITARY/OTHER COUNTRIES	120,220V/60,50Hz	
С	GENERAL EUROPE	220V/50Hz	IEC-65
D	GERMANY	220V/50Hz	FTZ
E	AUSTRALIA/BRITISH	240V/50Hz	SAA.BSI
F	SCANDINABIAN COUNTRY	220V/50Hz	(S) (N) (D) (F) (\$)



 $\mathbf{\omega}$ Ш L

ARK (SAFTY)

Point to Point Wiring Diagram

